

DECLARATION AND POWER OF ATTORNEY

(Case No. 94,1235)

As a below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND MATERIALS FOR DESTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS WITHOUT PROVOKING
RESISTANCE TO THERAPEUTIC AGENTS**

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application for patent or inventor's certificate listed below and under Title 35, United States Code, Section 120 of any international application listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION: P 42 22 289.3 (Germany) filed 7 July 1992

INTERNATIONAL APPLICATION: PCT/EP93/01711 filed 2 July 1993

The undersigned hereby appoints the following:

George B. Newitt	Reg. No. 16550	Robert H. Resis	Reg. No. 32168
D. Dennis Allegretti	Reg. No. 17374	Grantland G. Drutchas	Reg. No. 32565
Sheldon W. Witcoff	Reg. No. 17399	James C. Gumina	Reg. No. 32898
Seymour Rothstein	Reg. No. 19369	Christopher J. Renk	Reg. No. 33761
James V. Callahan	Reg. No. 20095	David M. Frischkorn	Reg. No. 32833
Jon O. Nelson	Reg. No. 24566	Marc S. Cooperman	Reg. No. 34143
Charles F. Pigott	Reg. No. 19408	Kyle K. Kappes	Reg. No. 34846
Charles G. Call	Reg. No. 20406	Leon R. Yankwich	Reg. No. 30237
Ronald E. Larson	Reg. No. 24478	Barbara A. Heaphy	Reg. No. 34619
Edward W. Remus	Reg. No. 25703	Richard A. Clegg	Reg. No. 33485
Denis A. Berntsen	Reg. No. 26707	John P. Iwanicki	Reg. No. 34628
John J. McDonnell	Reg. No. 26949	A. Blair Hughes	Reg. No. 32901
Charles W. Shifley	Reg. No. 28042	Lawrence H. Aaronson	Reg. No. 35818
Daniel A. Bochnen	Reg. No. 28399	Thomas A. Fairhall	Reg. No. 34591
Jamie S. Smith	Reg. No. 27390	Kenneth J. Rudofski	Reg. No. 35997
Mark T. Banner	Reg. No. 29888	Steven J. Sarussi	Reg. No. 32784
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	J. Pieter van Es	Reg. No. 37746
Jerry A. Riedinger	Reg. No. 30582	Thomas K. Pratt	Reg. No. 37210
Peter D. McDermott	Reg. No. 29411	Sanjay Prasad	Reg. No. 36247
Michael H. Shanahan	Reg. No. 24438	Kevin E. Noonan	Reg. No. 35303
Dale A. Malone	Reg. No. 32155	W. Dennis Drekhoff	Reg. No. 27193

as our Attorneys and

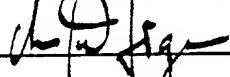
Mark Chao	Reg. No. 37293
Emily Miao	Reg. No. 35285

as our Registered Patent Agents

the mailing address and telephone number of each of whom is BANNER & ALLEGRETTI, LTD., Ten South Wacker Drive, Chicago, Illinois 60606, and (312) 715-1000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Manfred Eigen

Inventor's signature  Date January 29th 1996

Residence: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany

Full name of second joint inventor: Andreas Schwienhorst

Inventor's signature _____ Date _____

Residence: Weender Landstraße 68, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Weender Landstraße 68, D-37075 Göttingen, Germany

Full name of third joint inventor: Christof Biebricher

Inventor's signature  Date JAN. 30, 1996

Residence: Bergstr. 10, D-37139 Adellebsen, Germany
Citizenship: Germany
Post Office Address: Bergstr. 10, D-37139 Adellebsen, Germany

Full name of fourth joint inventor: Björn Lindemann

Inventor's signature _____ Date _____

Residence: Merkelstraße 3A, D-37085, Göttingen, Germany
Citizenship: Germany
Post Office Address: Merkelstraße 3A, D-37085, Göttingen, Germany

Full name of fifth joint inventor: Esteban Domingo

Inventor's signature _____ Date _____

Residence: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain
Citizenship: Spain
Post Office Address: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain

Declaration and Power of Attorney
Case No. 94,1235
Page 4

Full name of sixth joint inventor: John Holland

Inventor's signature _____ Date _____

Residence: 918 Santa Florencia, Solana Beach, California 92075
Citizenship: U.S.A.
Post Office Address: 918 Santa Florencia, Solana Beach, California 92075

Full name of seventh joint inventor: Karsten Henco

Inventor's signature _____ Date _____

Residence: Kirchberg 4, D-40699, Erkrath, Germany.
Citizenship: Germany
Post Office Address: Kirchberg 4, D-40699, Erkrath, Germany

DECLARATION AND POWER OF ATTORNEY

(Case No. 94,1235)

As a below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND MATERIALS FOR DESTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS WITHOUT PROVOKING
RESISTANCE TO THERAPEUTIC AGENTS**

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application for patent or inventor's certificate listed below and under Title 35, United States Code, Section 120 of any international application listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION: P 42 22 289.3 (Germany) filed 7 July 1992

INTERNATIONAL APPLICATION: PCT/EP93/01711 filed 2 July 1993

The undersigned hereby appoints the following:

George B. Newitt	Reg. No. 16550	Robert H. Resis	Reg. No. 32168
D. Dennis Allegretti	Reg. No. 17374	Grantland G. Drutchas	Reg. No. 32565
Sheldon W. Witcoff	Reg. No. 17399	James C. Gumina	Reg. No. 32898
Seymour Rothstein	Reg. No. 19369	Christopher J. Renk	Reg. No. 33761
James V. Callahan	Reg. No. 20095	David M. Frischkorn	Reg. No. 32833
Jon O. Nelson	Reg. No. 24566	Marc S. Cooperman	Reg. No. 34143
Charles F. Pigott	Reg. No. 19408	Kyle K. Kappes	Reg. No. 34846
Charles G. Call	Reg. No. 20406	Leon R. Yankwich	Reg. No. 30237
Ronald E. Larson	Reg. No. 24478	Barbara A. Heaphy	Reg. No. 34619
Edward W. Remus	Reg. No. 25703	Richard A. Clegg	Reg. No. 33485
Denis A. Berntsen	Reg. No. 26707	John P. Iwanicki	Reg. No. 34628
John J. McDonnell	Reg. No. 26949	A. Blair Hughes	Reg. No. 32901
Charles W. Shifley	Reg. No. 28042	Lawrence H. Aaronson	Reg. No. 35818
Daniel A. Boehnen	Reg. No. 28399	Thomas A. Fairhall	Reg. No. 34591
Jamie S. Smith	Reg. No. 27390	Kenneth J. Rudofski	Reg. No. 35997
Mark T. Banner	Reg. No. 29888	Steven J. Sarussi	Reg. No. 32784
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	J. Pieter van Es	Reg. No. 37746
Jerry A. Riedinger	Reg. No. 30582	Thomas K. Pratt	Reg. No. 37210
Peter D. McDermott	Reg. No. 29411	Sanjay Prasad	Reg. No. 36247
Michael H. Shanahan	Reg. No. 24438	Kevin E. Noonan	Reg. No. 35303
Dale A. Malone	Reg. No. 32155	W. Dennis Drekhoff	Reg. No. 27193

as our Attorneys and

Mark Chao	Reg. No. 37293
Emily Miao	Reg. No. 35285

as our Registered Patent Agents

the mailing address and telephone number of each of whom is BANNER & ALLEGRETTI, LTD., Ten South Wacker Drive, Chicago, Illinois 60606, and (312) 715-1000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Manfred Eigen

Inventor's signature _____ Date _____

Residence: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany

Full name of second joint inventor: Andreas Schwienhorst

Inventor's signature *A. Schwienhorst* Date 01/26/1996

Residence: Weender Landstraße 68, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Weender Landstraße 68, D-37075 Göttingen, Germany

Full name of third joint inventor: Christof Biebricher

Inventor's signature _____ Date _____

Residence: Bergstr. 10, D-37139 Adellebsen, Germany
Citizenship: Germany
Post Office Address: Bergstr. 10, D-37139 Adellebsen, Germany

Full name of fourth joint inventor: Björn Lindemann

Inventor's signature _____ Date _____

Residence: Merkelstraße 3A, D-37085, Göttingen, Germany
Citizenship: Germany
Post Office Address: Merkelstraße 3A, D-37085, Göttingen, Germany

Full name of fifth joint inventor: Esteban Domingo

Inventor's signature _____ Date _____

Residence: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain
Citizenship: Spain
Post Office Address: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain

Declaration and Power of Attorney
Case No. 94,1235
Page 4

Full name of sixth joint inventor: John Holland

Inventor's signature _____ Date _____

Residence: 918 Santa Florencia, Solana Beach, California 92075
Citizenship: U.S.A.
Post Office Address: 918 Santa Florencia, Solana Beach, California 92075

Full name of seventh joint inventor: Karsten Henco

Inventor's signature _____ Date _____

Residence: Kirchberg 4, D-40699, Erkrath, Germany.
Citizenship: Germany
Post Office Address: Kirchberg 4, D-40699, Erkrath, Germany

DECLARATION AND POWER OF ATTORNEY

(Case No. 94,1235)

As a below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND MATERIALS FOR DESTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS WITHOUT PROVOKING
RESISTANCE TO THERAPEUTIC AGENTS**

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application for patent or inventor's certificate listed below and under Title 35, United States Code, Section 120 of any international application listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION: P 42 22 289.3 (Germany) filed 7 July 1992

INTERNATIONAL APPLICATION: PCT/EP93/01711 filed 2 July 1993

The undersigned hereby appoints the following:

George B. Newitt	Reg. No. 16550	Robert H. Resis	Reg. No. 32168
D. Dennis Allegretti	Reg. No. 17374	Grantland G. Drutchas	Reg. No. 32565
Sheldon W. Witcoff	Reg. No. 17399	James C. Gumina	Reg. No. 32898
Seymour Rothstein	Reg. No. 19369	Christopher J. Renk	Reg. No. 33761
James V. Callahan	Reg. No. 20095	David M. Frischkorn	Reg. No. 32833
Jon O. Nelson	Reg. No. 24566	Marc S. Cooperman	Reg. No. 34143
Charles F. Pigott	Reg. No. 19408	Kyle K. Kappes	Reg. No. 34846
Charles G. Call	Reg. No. 20406	Leon R. Yankwich	Reg. No. 30237
Ronald E. Larson	Reg. No. 24478	Barbara A. Heaphy	Reg. No. 34619
Edward W. Remus	Reg. No. 25703	Richard A. Clegg	Reg. No. 33485
Denis A. Berntsen	Reg. No. 26707	John P. Iwanicki	Reg. No. 34628
John J. McDonnell	Reg. No. 26949	A. Blair Hughes	Reg. No. 32901
Charles W. Shifley	Reg. No. 28042	Lawrence H. Aaronson	Reg. No. 35818
Daniel A. Boehnen	Reg. No. 28399	Thomas A. Fairhall	Reg. No. 34591
Jamie S. Smith	Reg. No. 27390	Kenneth J. Rudofski	Reg. No. 35997
Mark T. Banner	Reg. No. 29888	Steven J. Sarussi	Reg. No. 32784
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	J. Pieter van Es	Reg. No. 37746
Jerry A. Riedinger	Reg. No. 30582	Thomas K. Pratt	Reg. No. 37210
Peter D. McDermott	Reg. No. 29411	Sanjay Prasad	Reg. No. 36247
Michael H. Shanahan	Reg. No. 24438	Kevin E. Noonan	Reg. No. 35303
Dale A. Malone	Reg. No. 32155	W. Dennis Drekhoff	Reg. No. 27193

as our Attorneys and

Mark Chao	Reg. No. 37293
Emily Miao	Reg. No. 35285

as our Registered Patent Agents

the mailing address and telephone number of each of whom is BANNER & ALLEGRETTI, LTD., Ten South Wacker Drive, Chicago, Illinois 60606, and (312) 715-1000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Manfred Eigen

Inventor's signature _____ Date _____

Residence: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany

Full name of second joint inventor: Andreas Schwienhorst

Inventor's signature _____ Date _____

Residence: Weender Landstraße 68, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Weender Landstraße 68, D-37075 Göttingen, Germany

Full name of third joint inventor: Christof Biebricher

Inventor's signature _____ Date _____

Residence: Bergstr. 10, D-37139 Adellebsen, Germany
Citizenship: Germany
Post Office Address: Bergstr. 10, D-37139 Adellebsen, Germany

Full name of fourth joint inventor: Björn Lindemann

Inventor's signature B. Lindemann Date 1-24-96

Residence: ~~Merkelstraße 3A, D-37085, Göttingen, Germany~~
Citizenship: Germany
Post Office Address: ~~Merkelstraße 3A, D-37085, Göttingen, Germany~~

Full name of fifth joint inventor: Esteban Domingo

Inventor's signature _____ Date _____

Residence: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain
Citizenship: Spain
Post Office Address: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain

3

Björn Lindemann; Residence: Tannenhof 115B, D-22397, Hamburg, Germany
Citizenship: Germany
Post Office Address: Tannenhof 115B, D-22397 Hamburg, Germany

B. Lindemann

Full name of sixth joint inventor: John Holland

Inventor's signature _____ Date _____

Residence: 918 Santa Florencia, Solana Beach, California 92075
Citizenship: U.S.A.
Post Office Address: 918 Santa Florencia, Solana Beach, California 92075

Full name of seventh joint inventor: Karsten Henco

Inventor's signature Karsten Henco Date Jan. 1, 1996

Residence: Kirchberg 4, D-40699, Erkrath, Germany.
Citizenship: Germany
Post Office Address: Kirchberg 4, D-40699, Erkrath, Germany

DECLARATION AND POWER OF ATTORNEY

(Case No. 94,1235)

As a below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND MATERIALS FOR DESTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS WITHOUT PROVOKING
RESISTANCE TO THERAPEUTIC AGENTS**

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application for patent or inventor's certificate listed below and under Title 35, United States Code, Section 120 of any international application listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION: P 42 22 289.3 (Germany) filed 7 July 1992

INTERNATIONAL APPLICATION: PCT/EP93/01711 filed 2 July 1993

The undersigned hereby appoints the following:

George B. Newitt	Reg. No. 16550	Robert H. Resis	Reg. No. 32168
D. Dennis Allegetti	Reg. No. 17374	Grantland G. Drutchas	Reg. No. 32565
Sheldon W. Witcoff	Reg. No. 17399	James C. Gumina	Reg. No. 32898
Seymour Rothstein	Reg. No. 19369	Christopher J. Renk	Reg. No. 33761
James V. Callahan	Reg. No. 20095	David M. Frischkorn	Reg. No. 32833
Jon O. Nelson	Reg. No. 24566	Marc S. Cooperman	Reg. No. 34143
Charles F. Pigott	Reg. No. 19408	Kyle K. Kappes	Reg. No. 34846
Charles G. Call	Reg. No. 20406	Leon R. Yankwich	Reg. No. 30237
Ronald E. Larson	Reg. No. 24478	Barbara A. Heaphy	Reg. No. 34619
Edward W. Remus	Reg. No. 25703	Richard A. Clegg	Reg. No. 33485
Denis A. Berntsen	Reg. No. 26707	John P. Iwanicki	Reg. No. 34628
John J. McDonnell	Reg. No. 26949	A. Blair Hughes	Reg. No. 32901
Charles W. Shifley	Reg. No. 28042	Lawrence H. Aaronson	Reg. No. 35818
Daniel A. Boehnen	Reg. No. 28399	Thomas A. Fairhall	Reg. No. 34591
Jamie S. Smith	Reg. No. 27390	Kenneth J. Rudofski	Reg. No. 35997
Mark T. Banner	Reg. No. 29888	Steven J. Sarussi	Reg. No. 32784
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	J. Pieter van Es	Reg. No. 37746
Jerry A. Riedinger	Reg. No. 30582	Thomas K. Pratt	Reg. No. 37210
Peter D. McDermott	Reg. No. 29411	Sanjay Prasad	Reg. No. 36247
Michael H. Shanahan	Reg. No. 24438	Kevin E. Noonan	Reg. No. 35303
Dale A. Malone	Reg. No. 32155	W. Dennis Drekhoff	Reg. No. 27193

as our Attorneys and

Mark Chao	Reg. No. 37293
Emily Miao	Reg. No. 35285

as our Registered Patent Agents

the mailing address and telephone number of each of whom is BANNER & ALLEGRETTI, LTD., Ten South Wacker Drive, Chicago, Illinois 60606, and (312) 715-1000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Manfred Eigen

Inventor's signature _____ Date _____

Residence: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany

Full name of second joint inventor: Andreas Schwienhorst

Inventor's signature _____ Date _____

Residence: Weender Landstraße 68, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Weender Landstraße 68, D-37075 Göttingen, Germany

Full name of third joint inventor: Christof Biebricher

Inventor's signature _____ Date _____

Residence: Bergstr. 10, D-37139 Adellebsen, Germany
Citizenship: Germany
Post Office Address: Bergstr. 10, D-37139 Adellebsen, Germany

Full name of fourth joint inventor: Björn Lindemann

Inventor's signature _____ Date _____

Residence: Merkelstraße 3A, D-37085, Göttingen, Germany
Citizenship: Germany
Post Office Address: Merkelstraße 3A, D-37085, Göttingen, Germany

Full name of fifth joint inventor: Esteban Domingo

Inventor's signature  Date 1/30/96

Residence: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain
Citizenship: Spain
Post Office Address: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain

Declaration and Power of Attorney
Case No. 94,1235
Page 4

Full name of sixth joint inventor: John Holland

Inventor's signature _____ Date _____

Residence: 918 Santa Florencia, Solana Beach, California 92075
Citizenship: U.S.A.
Post Office Address: 918 Santa Florencia, Solana Beach, California 92075

Full name of seventh joint inventor: Karsten Henco

Inventor's signature _____ Date _____

Residence: Kirchberg 4, D-40699, Erkrath, Germany.
Citizenship: Germany
Post Office Address: Kirchberg 4, D-40699, Erkrath, Germany

DECLARATION AND POWER OF ATTORNEY

(Case No. 94,1235)

As a below-named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to my name.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHODS AND MATERIALS FOR DESTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS WITHOUT PROVOKING
RESISTANCE TO THERAPEUTIC AGENTS**

the specification of which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the claims of this application in accordance with Title 37, Code of Federal Regulations, Sections 1.56(a) and 1.56(b).

We hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application for patent or inventor's certificate listed below and under Title 35, United States Code, Section 120 of any international application listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

FOREIGN APPLICATION: P 42 22 289.3 (Germany) filed 7 July 1992

INTERNATIONAL APPLICATION: PCT/EP93/01711 filed 2 July 1993

1003337-102504

The undersigned hereby appoints the following:

George B. Newitt	Reg. No. 16550	Robert H. Resis	Reg. No. 32168
D. Dennis Allegretti	Reg. No. 17374	Grantland G. Drutchas	Reg. No. 32565
Sheldon W. Witcoff	Reg. No. 17399	James C. Gumina	Reg. No. 32898
Seymour Rothstein	Reg. No. 19369	Christopher J. Renk	Reg. No. 33761
James V. Callahan	Reg. No. 20095	David M. Frischkorn	Reg. No. 32833
Jon O. Nelson	Reg. No. 24566	Marc S. Cooperman	Reg. No. 34143
Charles F. Pigott	Reg. No. 19408	Kyle K. Kappes	Reg. No. 34846
Charles G. Call	Reg. No. 20406	Leon R. Yankwich	Reg. No. 30237
Ronald E. Larson	Reg. No. 24478	Barbara A. Heaphy	Reg. No. 34619
Edward W. Remus	Reg. No. 25703	Richard A. Clegg	Reg. No. 33485
Denis A. Berntsen	Reg. No. 26707	John P. Iwanicki	Reg. No. 34628
John J. McDonnell	Reg. No. 26949	A. Blair Hughes	Reg. No. 32901
Charles W. Shifley	Reg. No. 28042	Lawrence H. Aaronson	Reg. No. 35818
Daniel A. Boehnen	Reg. No. 28399	Thomas A. Fairhall	Reg. No. 34591
Jamie S. Smith	Reg. No. 27390	Kenneth J. Rudofski	Reg. No. 35997
Mark T. Banner	Reg. No. 29888	Steven J. Sarussi	Reg. No. 32784
Bradley J. Hulbert	Reg. No. 30130	Michael S. Greenfield	Reg. No. 37142
Paul H. Berghoff	Reg. No. 30243	J. Pieter van Es	Reg. No. 37746
Jerry A. Riedinger	Reg. No. 30582	Thomas K. Pratt	Reg. No. 37210
Peter D. McDermott	Reg. No. 29411	Sanjay Prasad	Reg. No. 36247
Michael H. Shanahan	Reg. No. 24438	Kevin E. Noonan	Reg. No. 35303
Dale A. Malone	Reg. No. 32155	W. Dennis Drekhoff	Reg. No. 27193

as our Attorneys and

Mark Chao	Reg. No. 37293
Emily Miao	Reg. No. 35285

as our Registered Patent Agents

the mailing address and telephone number of each of whom is BANNER & ALLEGRETTI, LTD., Ten South Wacker Drive, Chicago, Illinois 60606, and (312) 715-1000, with full power of substitution and revocation to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: Manfred Eigen

Inventor's signature _____ Date _____

Residence: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Georg-Dehio-Weg 14, D-37075 Göttingen, Germany

Full name of second joint inventor: Andreas Schwienhorst

Inventor's signature _____ Date _____

Residence: Weender Landstraße 68, D-37075 Göttingen, Germany
Citizenship: Germany
Post Office Address: Weender Landstraße 68, D-37075 Göttingen, Germany

Full name of third joint inventor: Christof Biebricher

Inventor's signature _____ Date _____

Residence: Bergstr. 10, D-37139 Adellebsen, Germany
Citizenship: Germany
Post Office Address: Bergstr. 10, D-37139 Adellebsen, Germany

Full name of fourth joint inventor: Björn Lindemann

Inventor's signature _____ Date _____

Residence: Merkelstraße 3A, D-37085, Göttingen, Germany
Citizenship: Germany
Post Office Address: Merkelstraße 3A, D-37085, Göttingen, Germany

Full name of fifth joint inventor: Esteban Domingo

Inventor's signature _____ Date _____

Residence: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain
Citizenship: Spain
Post Office Address: C. Cerro de San Pedro, 67, E-28770 Colmenar Viejo, Spain

Full name of sixth joint inventor: John Holland

Inventor's signature John J. Holland Date 3/11/96

Residence: 918 Santa Florencia, Solana Beach, California 92075
Citizenship: U.S.A.
Post Office Address: 918 Santa Florencia, Solana Beach, California 92075

Full name of seventh joint inventor: Karsten Henco

Inventor's signature _____ Date _____

Residence: Kirchberg 4, D-40699, Erkrath, Germany.
Citizenship: Germany
Post Office Address: Kirchberg 4, D-40699, Erkrath, Germany

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: MANFRED EIGEN ET AL.
SERIAL NO.: 08/362,604 EXAMINER: B. SISSON
FILED: March 22, 1996 GROUP: 1634
TITLE: PROCESS AND AGENT FOR INSTABILIZING VIRAL
QUASI-SPECIES-DISTRIBUTIONS AVOIDING
RESISTANCE PHENOMENA

REVOCATION AND APPOINTMENT IN PATENT APPLICATION
POWER OF ATTORNEY

Hon. Asst. Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned, EVOTEC BIOSYSTEMS AG, owner of the entire right, title, and interest in and to the above-captioned patent application, hereby revokes all former Powers of Attorney and appoints COLLARD & ROE, P.C., a firm composed of ALLISON C. COLLARD, Registration No. 22,532; EDWARD R. FREEDMAN, Registration No. 26,048; and ELIZABETH COLLARD RICHTER, Registration No. 35,103, attorneys at law, of 1077 Northern Boulevard, Roslyn, New York 11576 (516) 365-9802, with full power of substitution, association, and revocation, to transact all business in the Patent and Trademark Office and elsewhere in connection therewith.

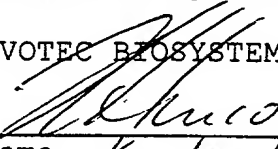
Please direct all future official communications to:

COLLARD & ROE, P.C.
1077 Northern Boulevard
Roslyn, New York 11576
(516) 365-9802

Respectfully submitted,

EVOTEC BIOSYSTEMS AG

By:


Name Karsten Henio
Title Dr. CEO
Date April 14, 2000